

REISSUE PATENT APPLICATION TRANSMITTAL


Address to: Mail Stop Reissue Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket No.	16113-4
	First Named Inventor	M. POLETTI
	Original Patent Number	5,729,613
	Original Patent Issue Date (Month/Day/Year)	March 7, 1998
	Express Mail Label No.	EV394106394US

APPLICATION FOR REISSUE OF:
(Check applicable box) ☒ Utility Patent ☐ Design Patent ☐ Plant Patent

APPLICATION ELEMENTS (37 CFR 1.173)	ACCOMPANYING APPLICATION PARTS
1. <input checked="" type="checkbox"/> Fee Transmittal Form (PTO/SB/56) (Submit an original, and a duplicate for fee processing)	10. <input checked="" type="checkbox"/> Statement of status and support for all changes to the claims. See 37 CFR 1.173(c).
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	11. <input checked="" type="checkbox"/> Original Patent Grant <input checked="" type="checkbox"/> Ribbioned Original Patent Grant <input type="checkbox"/> Statement of Loss (PTO/SB/55)
3. <input checked="" type="checkbox"/> Specification and Claims in double column copy of patent format (amended, if appropriate)	12. <input type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119) (if applicable)
4. <input checked="" type="checkbox"/> Drawing(s) (proposed amendments, if appropriate)	13. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations
5. <input checked="" type="checkbox"/> Reissue Oath/Declaration (original or copy) (37 CFR 1.175) (PTO/SB/51 or 52)	14. <input type="checkbox"/> English Translation of Reissue Oath/Declaration (if applicable)
6. <input checked="" type="checkbox"/> Power of Attorney	15. <input checked="" type="checkbox"/> Preliminary Amendment
7. <input checked="" type="checkbox"/> Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, check applicable box(es)) <input checked="" type="checkbox"/> Written Consent of all Assignees (PTO/SB/53) <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement (PTO/SB/96)	16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
8. <input type="checkbox"/> CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table	17. Other: _____
9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all of the following are necessary) a. <input type="checkbox"/> Computer Readable Form (CFR) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM (2 copies) or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies	

18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number: _____	OR <input checked="" type="checkbox"/> Correspondence address below
Name	Clifford W. Browning
Address	Woodard Emhardt et al. LLP Bank One Center/Tower, 111 Monument Circle, Suite 3700
City	Indianapolis
State	IN
Zip Code	46204-5137
Country	USA
Telephone	317-634-3456
Fax	317-637-7561

Name (Print/Type)	Clifford W. Browning	Registration No. (Attorney/Agent)	32,201
Signature		Date	November 25, 2003

This collection of information is required by 37 CFR 1.173. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

10/722385
112503

COPY

PTO/SB/56 (08-03)

Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION FEE TRANSMITTAL FORM

Docket Number (Optional)

16113-4

Claims as Filed - Part 1

	(1) Claims in Patent	(2) Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	(A) 3	(B) 4	**** 0 =	x \$ ____ =		x \$ ____ =	0
Independent claims (37 CFR 1.16(i))	(C) 1	(D) 2	* 0 =	x \$ ____ =		x \$ ____ =	0
Basic Fee (37 CFR 1.16(h))				\$ ____			\$ 770
Total Filing Fee				\$ ____		OR	\$ 770.00

Claims as Amended - Part 2

	(1) Claims Remaining After Amendment	(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	*** 4	MINUS	** 20	* = 0	x \$ ____ =	x \$ ____ =	0
Independent Claims (37 CFR 1.16(i))	*** 2	MINUS	***** 3	= 0	x \$ ____ =	x \$ ____ =	0
Total Additional Fee				\$		OR	\$ 0.00

* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

*** After any cancellation of claims.

**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

☐ Applicant claims small entity status. See 37 CFR 1.27.☐ Please charge Deposit Account Number _____ in the amount of _____.
A duplicate copy of this sheet is enclosed.☒ The Director is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account Number 23-3030.
A duplicate copy of this sheet is enclosed.☒ A check in the amount of \$ 770 to cover the filing/additional fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**November 25, 2003

Date

32,201

Registration Number, if applicable

Clifford W. Browning
Signature of Applicant, Attorney or Agent of Record

Clifford W. Browning

Typed or printed name

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,729,613

DATED : March 17, 1998

INVENTOR(S): Mark Poletti

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 5, line 61 (equation 16), please delete

" $V_+(z) = U(z) - GD(z)V_+(z)$ " and insert in lieu thereof

-- $V_+(z) = U(z) - \mu GD(z)V_+(z)$ --.

At column 5, line 65 (equation 17), please delete

" $D(z) = \text{diag}[z^{-L1}, z^{-L1}, \dots, z^{-LN}]$ " and insert in lieu thereof

-- $D(z) = \text{diag}[z^{-L1}, z^{-L2}, \dots, z^{-LN}]$ --.

At column 6, line 52 (equation 26), please delete

" $= QA \bullet AQ^*$ " and insert in lieu thereof --- $QA \star AQ^*$ ---

Signed and Sealed this

Twenty-third Day of June, 1998

Attest:



BRUCE LEHMAN

Attesting Officer

Commissioner of Patents and Trademarks